



09/938 310

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTENTION: HONORABLE  
Commissioner for Patents

P.O. Box 1450

In re the Patent of: FUJITA, NAO et al.

P.T.O. Confirmation No.: 1067

Patent No. 6,794,461

Issued: September 21, 2004

FOR: PURIFICATION OF OXIDIZING AGENTS OF VINYL POLYMERS OBTAINED  
BY ATOM TRANSFER RADICAL POLYMERIZATION (AS AMENDED)

**REQUEST FOR CERTIFICATE OF CORRECTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Mail Stop DAC  
January 14, 2005

Sir:

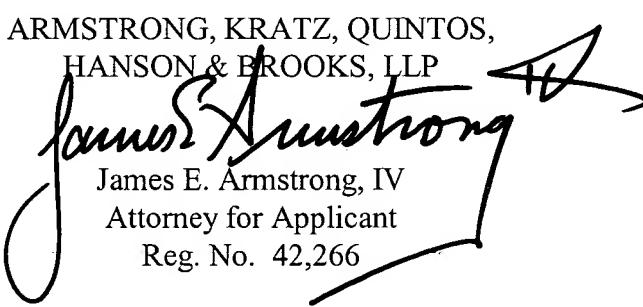
The undersigned requests that a Certificate of Correction be issued for the above-identified patent as indicated on the attached Form PTO-1050.

This request is being made in order to correct an error in claim 1. Please change claim 1 in the patent to be as it appears as claim 36 in the attached Supplemental Amendment dated May 12, 2004, filed before the May 19, 2004 Notice of Allowance and Fee(s) Due. The error to be corrected appears to be an oversight made by the Patent and Trademark Office. It is respectfully submitted that no new matter has been added.

Since this error is a Patent and Trademark Office printing error, it is respectfully submitted that no fee is required.

Respectfully submitted,

ARMSTRONG, KRATZ, QUINTOS,  
HANSON & BROOKS, LLP

  
James E. Armstrong, IV  
Attorney for Applicant  
Reg. No. 42,266

**Certificate**  
**JAN 25 2005**  
**of Correction**

JAM/lp  
Atty. Docket No. 011059  
Suite 1000  
1725 K Street, N.W.  
Washington, D.C. 20006  
(202) 659-2930



23850  
PATENT TRADEMARK OFFICE

JAN 25 2005

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO.: **6,794,461**  
DATED : **September 21, 2004**  
INVENTOR(S): **Fujita et al.**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 36:

On lines 66 and 67 change "contacting said vinyl polymer into contact with oxygen or sodium percarbonate." to be -- contacting said vinyl polymer with oxygen or sodium percarbonate, wherein said vinyl polymer is obtained by atom transfer radical polymerization. --

MAILING ADDRESS OF SENDER:

**ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP**  
**1725 K Street, NW, Suite 1000**  
**Washington, DC 20006**

Patent No.:6,794,461

No. of add'l copies  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **FUJITA, NAO et al.**

Group Art Unit: **1713**

Serial No.: **09/938,310**

Examiner: **D. R. Wilson**

Filed: **August 24, 2001**

P.T.O. Confirmation No.: **1067**

For: **PURIFICATION WITH OXIDIZING AGENTS OF VINYL POLYMERS OBTAINED  
BY ATOM TRANSFER RADICAL POLYMERIZATION**

**SUPPLEMENTAL AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

May 12, 2004

Sir:

Supplemental to the Amendment filed March 3, 2004, please amend the above-identified application as follows:

**IN THE CLAIMS**

Please amend claim 36 as follows:

**Claim 36 (Currently amended):** A method for increasing the hydrosilylation activity of a vinyl polymer having at least one reactive functional group per molecule, comprising contacting said vinyl polymer into contact with oxygen or sodium percarbonate, wherein said vinyl polymer is obtained by atom transfer radical polymerization.

**Claim 37 (Previously presented):** The method according to Claim 36, wherein said vinyl polymer is obtained by atom transfer radical polymerization of a vinyl monomer using a transition metal complex as a polymerization catalyst.

**Claim 38 (Previously presented):** The method according to Claim 36, wherein said reactive functional group is located at the molecular chain terminus of said vinyl polymer.

**Claim 39 (Previously presented):** The method according to Claim 36, wherein said vinyl polymer comprises an alkenyl group at the molecular chain terminus, and is obtained by adding a compound having two or more sparingly polymerizable carbon-carbon double bonds during polymerization or after completion of polymerization in an atom transfer radical polymerization system.

U.S. Patent Application Serial No. 09/938,310  
Supplemental Amendment dated May 12, 2004

**Claim 40 (Previously presented):** The method according to Claim 36,  
wherein said vinyl polymer is a (meth)acrylic polymer.

**Claim 41 (Previously presented):** Th method according to Claim 36,  
wherein said vinyl polymer has a number average molecular weight of 500 to 100000.

**Claim 42 (Previously presented):** The method according to Claim 36,  
wherein said vinyl polymer has a molecular weight distribution value of less than 1.8.

**Claim 43 (Previously presented):** The method according to Claim 36,  
wherein the center metal of the transition metal catalyst belongs to group 8, group 9, group  
10 or group 11 of the periodic table of the elements.

**Claim 44 (Previously presented):** The method according to Claim 36,  
wherein the center metal of the transition metal catalyst is iron, nickel, ruthenium or copper.

**Claim 45 (Previously presented):** The method according to Claim 36,  
wherein a polyamine compound is used as a catalyst ligand for atom transfer radical  
polymerization.

U.S. Patent Application Serial No. 09/938,310  
Supplemental Amendment dated May 12, 2004

**Claim 46 (Previously presented):** The method according to Claim 36,  
wherein said reactive functional group is a functional group selected from the group  
consisting of alkenyl, crosslinkable silyl, hydroxyl, epoxy, amino and amido.

**REMARKS**

Claims 36-46 are pending in this application.

Claim 36 has been amended as proposed by Examiner Wilson, by telephone, on April 28, 2004. That is, claim 36 has been amended to require that "said vinyl polymer is obtained by atom transfer radical polymerization", and to correct a minor typographical error.

Support for claim 36 as amended appears throughout the specification and claims as originally filed. No new matter has been added by this amendment.

U.S. Patent Application Serial No. 09/938,310  
Supplemental Amendment dated May 12, 2004

If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact Applicants undersigned attorney at the telephone number indicated below to arrange for an interview to expedite the disposition of this case.

In the event that this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. Please charge any fees for such an extension of time and any other fees which may be due with respect to this paper, to Deposit Account No. 01-2340.

Respectfully submitted,

ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP



Susanne M. Hopkins  
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